

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method of producing a porous solid, the pores of which are filled with a liquid electrolyte,

~~characterized by the steps of~~ which comprises:

(i) preparing a fluid mixture comprising a first phase which includes one or more inorganic ionic components, and at least one second phase, the first phase and the second phase being essentially immiscible in the solid state,

(ii) cooling the fluid mixture to a temperature below the solidification point of both the first and second phase in order form a solid phase mixture comprising at least one first crystalline phase and second phase, ~~and~~

(iii) removing the second phase to provide a porous solid of the first phase, and

(iv) filling the pores of the porous solid with a liquid.

2. (Currently Amended) The method as claimed in claim 1, ~~characterized in that~~ wherein the cooling is performed under ~~non-segregating~~ conditions such that the first phase and second phase do not segregate.

3. (Currently Amended) The method as claimed in claim 1, ~~characterized in that~~ wherein the fluid mixture has an essentially eutectic composition.

4. (Currently Amended) The method as claimed in claim 1, ~~characterized in that~~ wherein the second phase is removed in step (iii) by means of solvent extraction.

5. (Currently Amended) The method as claimed in claim 1, ~~characterized in that~~ wherein the second phase is a substance which is soluble in aqueous media.

6. (Currently Amended) The method as claimed in claim 1, ~~characterized in that~~ wherein the first phase is a water-insoluble salt.

7. (Currently Amended) The method as claimed in claim 1, ~~characterized in that~~ wherein the second phase is a water-soluble salt which ~~is able to form~~ forms a eutectic mixture with the first phase.

8. (Currently Amended) The method as claimed in claim 1, ~~characterized in that~~ wherein the first phase comprises AgCl and the second phase comprises an alkali metal halide.

9. (Currently Amended) The method as claimed in claim 8, ~~characterized in that~~ wherein the mixture is formed from 70 mol% of AgCl and 30 mol% of KCl.

10. (Currently Amended) Porous ion-conducting solid, the pores of which are filled with a liquid, produced by ~~obtainable via~~ a method as claimed in claim 1.

11. (Currently Amended) An electrochemical cell which contains as the electrolyte a porous solid, the pores of which are filled with a liquid, as claimed in claim 10.

12. – 16. (Canceled)

17. (New) The method of claim 2, wherein the cooling is at a rate of 10 to 50°C per minute.

18. (New) A sensor which comprises an electrochemical cell as claimed in claim 11.

19. (New) A sensor for the determination of gases which comprises a porous solid of claim 1.

20. (New) A catalyst which comprises a porous solid of claim 1.

21. (New) A porous solid of claim 1, wherein the first phase is of an ion-conducting material.

22. (New) A porous solid of claim 1, wherein the liquid for filling the pores of the porous solid is an electrolyte.

23. (New) A porous solid of claim 1, wherein the pores have a size in each spatial direction of about 20 nm to 5 μm .

24. (New) A porous solid of claim 1, wherein the porous solid has a lamellar pore structure.

25. (New) A porous solid of claim 1, wherein the porous solid has a degree of porosity of 20 to 50%.